

I CLAIM

1. A device for fixing a dust-collecting bag on a dust-collecting machine comprising a wind-exhausting box, said wind-exhausting box provided thereon with at least one protruding-up annular fit base for exhausting wind, a dust-collecting bag fitted on said annular fit base; and characterized by

Said annular fit base has its upper inner wall formed with a curved engage surface gradually shrinking inward at a preset position; and

Said dust-collecting bag having its opening portion wrapped inside with a tightening ring with a proper flexibility, said opening portion of said dust-collecting bag received in the wind-exhausting vent of said wind-exhausting box after said opening portion and said tightening ring are pressed to become deformed, said dust-collecting bag pulled outward to let said opening portion firmly stuck on said engage surface of said wind-exhausting vent, said tightening ring inside said opening portion recovering its resilience and expanding outward, said tightening ring quickly and firmly stuck on said curved engage surface of said annular fit base, said opening portion of said dust-collecting bag able to disengage from said curved engage surface when said opening portion is pressed inward and moved upward, said dust-collecting bag being easy and quick in assembling with and disassembling

from said annular fit base.

2. The device for fixing a dust-collecting bag on a dust-collecting machine as claimed in Claim 1, wherein said wind-exhausting box comprises two covers 5 respectively provided with a horizontal base plate having its circumferential edge extending vertically to form a side wall to be correspondingly combined together, said horizontal base plate of said cover bored with a through hole, said protruding-up annular fit base 10 provided on said through hole to form a wind-exhausting vent, said curved engage surface formed at a preset location on the inner wall of said annular fit base.

3. The device for fixing a dust-collecting bag on a dust-collecting machine as claimed in Claim 2, wherein 15 said curved engage surface has its upper edge extending outward to form a curved expanding surface, which is then bent outward to form an arc-shaped edge.

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